

Material Safety Data Sheet

PRE-ETCH
MAGNESIUM



WYANDOTTE, MICHIGAN 48192
CALL TOLL FREE: 1-800-521-8140
IN MICHIGAN: 1-800-482-8010

SECTION I

TRADE NAME MF ACID

CHEMICAL NAME

DPM 946

SYNONYMS

CHEMICAL FAMILY MIXED FLUORIDE SALTS

FORMULA

MOLECULAR WEIGHT

SECTION II - HAZARDOUS INGREDIENTS

| NAME | % | TLV UNITS | TOXICOLOGICAL DATA |
|----------------|----|--------------------------------------|--|
| FLUORIDE SALTS | 95 | 2.5 mg/m ³ as Fluorine | Cumulative bone damage and corrosive to body tissues. |

SECTION III - PHYSICAL DATA

| | | | |
|---|------|--|--|
| Boiling Point - 760mm Hg | | | |
| Vapor Pressure, mm Hg @ 20° C. | | | |
| Specific Gravity (H ₂ O = 1) | | | |
| Solubility in Water | 100% | | |

Appearance and Odor

White granular product (flake)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| | | | |
|--|---|-----------------------------|--|
| FLASH POINT (TEST METHOD) | not combustible | AUTOIGNITION TEMPERATURE | |
| FLAMMABILITY LIMITS IN AIR - % BY VOLUME | LOWER | UPPER | |
| EXTINGUISHING MEDIA | <input type="checkbox"/> WATER FOG <input type="checkbox"/> FOAM (Type) <input type="checkbox"/> CO ₂ <input type="checkbox"/> DRY CHEMICAL <input type="checkbox"/> OTHER | | |
| SPECIAL FIRE-FIGHTING PROCEDURES | Forms corrosive acid when mixed with water. Avoid contact. | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS | Emits toxic fumes when heated. Although this product is not combustible, good fire fighting practice dictates the use of self-contained breathing apparatus and turn-out. | | |

EMERGENCY TELEPHONE NUMBER 927 for fires in the area.

(313) 281-0930

This number is available days, nights, weekends, and holidays.

SECTION V — HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 2.5 mg/m^3 as F

EFFECTS OF OVEREXPOSURE

Contact of solid or concentrated solutions with skin, eyes or mucous membranes causes irritation, acid burns. If swallowed, causes pain, vomiting, diarrhea, possible shock, CNS depression, weakness and tremors. May be fatal. Inhalation of highly concentrated solutions may result in pulmonary edema.

FIRST AID PROCEDURES

| | | |
|--|---|--|
| EYES | For eyes or if swallowed, get immediate medical attention. Wash from skin with large amounts of water & alkaline soap. Remove & launder contaminated clothing. If swallowed, give milk or lime water (calcium hydroxide) to drink & get medical attention. Notes to physician: I.U. infusion of glucose or isotonic saline, gastric lavage with lime water or a 1% solution of calcium chloride should be instituted to treat ingestion of fluoride salts. Suggest control of tetany with intravenous calcium gluconate - inject intravenously 10 ml of 10% calcium gluconate solution. Repeat in 1 hour and/or whenever tetany appears. Watch for signs of shock, dehydration or kidney malfunction. | NEVER GIVE FLUIDS OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAVING CONVULSIONS |
| FLUSH WITH FLOWING WATER AT LEAST 15 MINUTES | | |
| Seek medical attention | | |

SECTION VI — REACTIVITY DATA

| | | | |
|-----------|----------|---|---------------------|
| STABILITY | UNSTABLE | | CONDITIONS TO AVOID |
| | STABLE | X | |

INCOMPATIBILITY

HAZARDOUS DECOMPOSITION PRODUCTS

| | | | |
|--------------------------|----------------|---|---------------------|
| HAZARDOUS POLYMERIZATION | MAY OCCUR | | CONDITIONS TO AVOID |
| | DOES NOT OCCUR | X | |

SECTION VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILLS

Sweep up. Dissolve in water. Flush to drain. Rinse affected area with water.

WASTE DISPOSAL METHOD May require neutralization with NaOH or lime water to a specified pH range before disposing to sewer. Contains fluoride. May require a precipitation with lime before disposing to sewer. Contains no phosphates.

CONSULT LOCAL AND STATE LAWS

SECTION VIII — SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION Dust mask or chemical cartridge respirator as conditions warrant.

| | | |
|-------------|-------------------------|---------|
| VENTILATION | LOCAL EXHAUST preferred | SPECIAL |
| | MECHANICAL (General) | OTHER |

PROTECTIVE CLOTHING Rubber gloves, aprons as EYE PROTECTION goggles

OTHER necessary to prevent skin contact with dust or concentrated solutions. Safety showers and eye washes must be easily accessible.

While Wyandotte Division of The Diversey Corporation believes the data set forth herein are accurate as of the date hereof, Wyandotte Division of The Diversey Corporation makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation, and verification.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONARY
LABELING

Dry Acid Salts

For Industry Use Only

WARNING: MAY BE FATAL IF SWALLOWED.

Contains: Fluorides.

Do not get on eyes, on skin, or on clothing. Avoid breathing dusts, fumes, or mists of solutions. Use with adequate ventilation. Wash thoroughly after handling.

FIRST AID: In case of contact with eyes, flush thoroughly with water. Get medical attention immediately. Wash from skin with large amounts of water and alkaline soap. Remove and launder contaminated clothing.

If swallowed, give milk or lime water (calcium hydroxide) to drink. Get medical attention immediately.

KEEP OUT OF REACH OF CHILDREN.

ATTENTION: When empty, this container may still be hazardous. Because containers, even after they have been emptied, still retain product residues (vapor, liquid or solid), all labelled hazard precautions must be observed.

Store away from acids.

| HANDLING AND STORAGE CONDITIONS | ISOLATE FROM STRONG ALKALIES OR OTHER MATERIAL AFFECTED BY ACIDS. KEEP DRY. KEEP AWAY FROM CHILDREN. AVOID STORAGE NEAR GLASS OR IN UNVENTILATED AREAS. |
|---|--|
| DO NOT INGEST. ETCHES GLASS. EMITS VAPORS THAT ETCH GLASS. | |



DOT PROPER SHIPPING NAME: